Add a subtitle above paragraph 3 of page 1 (above line 6):

a2

BACKGROUND AND SUMMARY OF THE INVENTION

Replace paragraph 3 of page 2 (lines 9-11) with the following:

a3

According to the invention, in order to achieve the afore-mentioned object, an apparatus having an electroacoustic transducer is provided, which transducer has a magnet system which generates a useful magnetic field in a useful field area and which generates a stray magnetic field in a stray field area, and which magnet system is used to realize vibration generating means for the generation of vibrations which are perceptible by a user of the apparatus, wherein the vibration generating means include, in addition to the magnet system of the transducer, at least one movably mounted vibration generating coil arranged in the area of the stray field generated by means of the magnet system of the transducer.

Replace paragraph 4 of page 2 (lines 12-14) with the following:

Furthermore, according to the invention, in order to achieve the afore-mentioned object, an electroacoustic transducer is provided, which has a magnet system which generates a useful magnetic field in a useful field area and which generates a stray magnetic field in a stray field area, and which magnet system is used to realize vibration generating means for the generation of vibrations which are perceptible by a user of the apparatus, wherein the vibration generating means include, in addition to the magnet system of the transducer, at least one movably mounted vibration generating coil arranged in the area of the stray field generated by means of the magnet system of the transducer.

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In an apparatus in accordance with the invention and in an electroacoustic transducer in accordance with the invention the desired result can be achieved with only one vibration generating coil. However, it has proved to be very advantageous when, in addition, the vibration generating means include two movably mounted vibration generating coils arranged in the stray field area, and the two vibration generating coils are arranged in series opposition or in anti-parallel characteristic. In this way, it is achieved that the stray magnetic field of the magnet system, which field is oppositely poled at the two magnet ends (north pole and south pole), is utilized better and, as a result of this, a better vibratory effect is achieved.

Replace the last paragraph of page 2 (lines 33, page 2 – lines 7, page 3) with the following:

In an apparatus in accordance with the invention and an electroacoustic transducer in accordance with the invention it has proved to be particularly advantageous when, in addition, the vibration generating means include, in addition to the at least one vibration generating coil, a metal part which is mechanically connected to the at least one vibration generating coil and which consists of a soft-magnetic material, and when the magnet system is basically ring-shaped, and the magnet system generates the stray magnetic field, which emanates from its outer peripheral area, and the at least one vibration generating coil is annular and is arranged to be coaxial with the axis of the magnet system and is mounted so as to be movable parallel to the axis of the magnet system. In this way, it is achieved that with the aid of the metal part of a soft magnetic material the stray magnetic field is enhanced as regards its direction and magnitude in the area in which the at least one vibration generating coil is disposed and, as a consequence, an improved vibratory effect is obtained. Furthermore, this solution has the advantage that the masses moved by means of the at least one vibration generating coil is increased substantially by the mass of the metal part, which

is also advantageous for an optimum vibratory effect.

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Replace paragraph 2 of page 3 (lines 8 – 12) with the following:

In an apparatus in accordance with the invention it has further proved to be advantageous when, in addition, an a.c. generator has been provided, which generator is adapted to generate an a.c. signal having a frequency of, preferably, between 50 Hz and 200 Hz, and the a.c. generator is connected to the at least one vibration generating coil in an electrically conductive manner and supplies the a.c. signal generated by it to the at least one vibration generating coil.. This provides an embodiment having a vibration generating coil of a maximal diameter, which is advantageous in view of a simple construction and in view of an optimum vibratory effect.

Add a subtitle above paragraph 4 of page 3 (above line 17):

a5

BRIEF DESCRIPTION OF THE DRAWINGS

Add a paragraph after paragraph 8 of page 3 (line 26):

26

Fig. 5 shows a circuit diagram of a circuit of the apparatus shown in Fig. 3.

Add a subtitle above the last paragraph of page 3 (above line 29):

a7

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Replace paragraph 2 of page 4 (lines 5 - 11) with the following:

a8

The electroacoustic transducer 12 takes the form of a so-called loudspeaker capsule. The transducer 12 has a magnet system 13. The magnet system 13 consists of a ring-shaped magnet 14 on whose upper side an annular cover disc 15 is disposed and on whose lower side an annular core

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disc 16 of a yoke 17 is disposed. The yoke 17 consists of the annular core disc 16 and of a hollow cylindrical yoke portion 18, whose end which is remote from the core disc 16 extends into the area of the cover disc 15, namely in such a manner that an annular air gap 19 is formed between the cover disc 15 and the yoke portion 18.

Replace the last paragraph of page 4 (line 32, page 4 – line 8, page 5) with the following:

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Two coil connecting leads 19 lead away from the moving coil 26. The first coil connecting lead 30 leads to a first moving coil terminal contact 32. The second coil connecting lead 31 leads to a second coil terminal contact 33. The two moving coil terminal contacts 32 and 33 take the form blade spring contacts which except for their bent free ends are covered with an insulating lacquer coating and are mechanically connected to the yoke 17. The bent free ends of the two moving coil terminal contacts 32 and 33 engage against a printed circuit board 34 mounted in the apparatus 1 and having conductor tracks, which are not visible in Fig. 2, which conductor tracks lead to a sound signal source, not shown, by which the moving coil 26 can be driven with sound signals, in order to generate sound signals with the aid of the diaphragm 28, which sound signals correspond to a received telephone message.

Replace paragraph 2 of page 5 (lines 9 – 16) with the following:

In the area of the useful field, i.e. in the air gap 19, the magnet system 13 generates a useful magnetic field, in which the moving coil 26 is disposed, as a result of which acoustic sound waves can be produced in known manner by means of the moving coil 26 and the diaphragm 28.

However, in a tray field area the magnet system 13 also generates a stray magnetic field. In the present case, in which the magnet system 13 is basically ring-shaped, the magnet system 13 generates said stray magnetic field, which emanates from its outer circumferential area and which